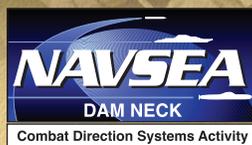


ITMS

INTEGRATED TACTICAL MOBILITY SYSTEM



Situational Awareness for
Small Craft Special Operation Forces



Situational Awareness for Small Craft Special Operation Forces

The Integrated Tactical Mobility System (ITMS) provides the small craft operator with a single system capable of interfacing systems, processing the data into a single data source, and displaying information in real time. The system architecture and design scales from a single station to hundreds of stations. Each station includes standard processors specially packaged for the harsh environments. ITMS addresses the operator's needs for a common design and installation approach to situational awareness, navigation, communications, sensors, and other craft systems. ITMS provides built-in fault isolation, sensor monitoring, multiple source video display and capture, electronic nautical charts, integrated radar, electronic maneuvering board, and radio control. Each station maintains full functionality with data and file synchronization. ITMS is a Microsoft® Windows-based system that incorporates Commercial off-the-Shelf (COTS) and Government-off-the Shelf (GOTS) software. The ITMS software was designed for all weather operation using bezel button input. All screens contain large, easy to read text with day and night color configurations on enhanced sunlight and Night Vision (NVIS) compatible displays. ITMS can be easily installed on a standard laptop, connected to the ITMS LAN to provide all the functionality of an ITMS station.

Tactical Information

- Real-time Tracking
- Intercept Solutions
- Near term AIS Contacts

Integrated Navigation System

- GOTS Charting Engine
- Reads NIMA VPF charts
- Route Monitoring
- Integrated Tactical Overlay
- Integrated Radar Overlay
(No special radar digitizing hardware required on display computers)

Integrated Helm

- Electronic Compass
- Integrated GPS (NMEA 0183)
- Integrated with the navigation and tactical software to provide route guidance

Sensor Monitoring

- Temperature
- Pressure
- Voltage
- Frequency

ITMS Equipment Suite includes:

- 15" Bezel Display
- ITX Computer
- I/O Data Node
- Drive Unit
- Video Node
- Radar Computer
- Trackball Keyboard
- Cooling Enclosure
- Ethernet Switch
- Heading & Current Sensor
- GPS & USB Repeater



NSWC Dam Neck Supports SOF/COI

Naval Sea Systems Command (NAVSEA) product areas support the United States Special Operations Command Forces through the Special Operations Forces (SOF) Community of Interest (COI). The purpose of the COI is to provide technical and strategic leadership across the Warfare Center Enterprise for the development, application, and fielding of systems for the Special Operations Forces, and to foster a spirit of cooperation that ensures the full capabilities of the Warfare Center Enterprise are exploited to the maximum extent possible.



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